



Academy Junior Back System

User Manual

GB

▪ Introduction

Thank you for purchasing our Vicair® Academy Junior Back System (Junior Back).

We are positive you soon will start to appreciate the simplicity, reliability and performance of the Vicair® Junior Back.

The Vicair® Junior Back range uses Vicair Technology™: a unique and innovative method to provide dynamic body support with the help of many hundreds of small triangular shaped air filled cells: SmartCells™. In the case of the AJBS the SmartCells™ are flexible and have a very low friction level and are smaller than the regular cells; we named them “baby SmartCells™”. The cells make it possible that there is continuous adaptation to the body contours. The new concept provides high performance pressure relief and minimal occurring shear forces.

This user manual applies for the:

Academy Junior Back System

Before you start using the Junior Back may we draw your attention to the following:

▪ Check your Junior Back size

Check the size of the Junior Back in relation to the size of your wheelchair. Preferably the Junior Back should match the size of the wheelchair or be a little smaller. Let your therapist or dealer advise you on the correct size.

The Vicair® Junior Back is available in the following sizes (width):

AJBS 25	25cm or 10inch
AJBS 30	30cm or 12inch
AJBS 35	35cm or 14inch

▪ Fitting the Outer Cover

For the Junior Back we have one outer cover available: Comfair (CK). All top materials used are stretchable in two directions in order to guarantee optimal functioning. Make sure you follow the label instructions in order to position the outer cover correctly over the inner cushion. When the outer cover has been zipped-on correctly the two coloured triangular stitching should be on top (or the BACK label at the bottom of the Junior Back).

Note: Close the zipper carefully, making sure not to trap and damage the inner cover!

▪ Correct positioning in your wheelchair

The Junior Back should be fixed to the backrest posts after the original canvas backrest has been removed. The Junior Back should be fixed between the backrest posts but, in some cases, it can also be fixed in front of the backrest posts, leaning against it so to say, although much of the seat depth will disappear. Fixation in front of the backrest posts can only be done when the Junior Back is ordered together with a newly measured wheelchair.

▪ Velcro straps

At the back of the Junior Back, under the modesty flap, you will find 3 or 4 Velcro straps. With these straps you can attach the Junior Back to the backrest posts. You can choose the angle and the seat depth of the Junior Back by using every individual strap.

The upper strap has to be fixed to the added self adhesive Velcro pieces which will prevent the Junior Back from sliding down the backrest posts.

The correct way of fixation is when the bottom of the Junior Back is 2,5cm/1inch over the seat cushion.

▪ **Modesty flap**

When the Junior Back is fixed to the backrest posts you have to take down the modesty flap and Velcro the end to the seat sling of the wheelchair. This flap will prevent the seat cushion from sliding backwards and makes it possible to place the cushion correctly.

▪ **Plastic Vicair® Junior Back insert for more stability**

The cushion part can be zipped off from the modesty flap/Velcro straps part. In between there is a plastic contoured shell. This shell makes the Junior Back more rigid and provides more stability. The shell is curved in two directions; spinal direction (lordoses) and it is rounded for not losing seat depth when it's placed between the backrest posts.

If there's no need for a very stable backrest the shell can also be taken out of the cover.

Note: Close the zipper carefully, making sure not to trap and damage the inner cover!

▪ **Adjustment of the Vicair® Junior Back cushion filling**

The Junior Back consists of an eight compartment inner cushion and each size has it's own particular filling grade governing how many SmartCells™ it contains (see table). It is, however, possible to adjust the filling simply by adding or removing SmartCells™ in order to accommodate specific user characteristics and requirements.

The compartments can be reached by the surrounding zipper and by the zipper that covers the three middlest compartments. To reach these three compartments the

whole cushion has to be zipped off from the modesty flap/Velcro straps part of the Junior Back.

The two lateral compartments should always be filled maximumly, as they come from the factory, to provide maximum lateral support.

Note: Any change in filling should always be performed under the direct supervision of a therapist, or by an experienced dealer and approved by the therapist.

▪ **Using your Vicair® Junior Back at high altitude**

Owing to the fact that every cell in your Junior Back cushion is filled with air, it may function differently when used at high altitudes, as atmospheric pressure changes. This will also apply when flying in an aeroplane depending on the amount of adjustment of the cabin pressure to atmospheric pressure. If you do experience considerable changes in your cushion's firmness under these circumstances, it may be advantageous to temporarily not use it.

▪ **Flammability**

Your Junior Back meets current fire safety regulations. However, in common with all other fabrics and furniture you should not leave your cushion close to a naked or high temperature heat source.

▪ **Damaged Cushion**

If your Junior Back has been damaged you should stop using it until your therapist has seen it and decided if it can be used or replaced.

▪ Transport

When using the Junior Back whilst travelling in a motor vehicle the Junior Back must always be attached to the wheelchair. If you do not attach the Junior Back there is a danger that it could move in an impact resulting in a loss of efficiency of your safety restraint system.

▪ Transferring the Vicair® Junior Back to another user

Before allowing a second person to use the Junior Back make sure that the outer cover has been washed in accordance with the instructions and that the inner cover has been disinfected. In addition the procedure for adjustment of the individual Junior Back cushion filling in comparison to body weight and contours must be repeated as described above.

▪ Regular checking

With any new Junior Back, regular checks should be made during the first few days. If severe redness occurs, the use of the Junior Back cushion should be intermitted. Please consult with your therapist or dealer for further advice. After the first few days you should keep checking the Junior Back cushion for broken cells once every three months. A few broken cells do not influence the protection of the Junior Back cushion but may slightly diminish the stability offered by the Junior Back cushion. In such instance you should revise the adjustment procedure described above.

▪ Cleaning instructions

Vicair® Junior Back cushion has been designed for low maintenance and trouble free use. The outer cover can be machine washed according to the washing instructions on the label attached to the inside of the cover. The inner cover can be wiped off using regular detergents or using Laundrypure and Antigerm.

Note: *Washing the inner cover: the inner cushion or SmartCells™ cannot be machine washed or autoclaved. This may result in serious damage to the cushion.*

Note: Yearly check: *because all Vicair® inner covers are filled with hundreds of SmartCells™ the puncture of a few cells will not influence the performance. If serious damage occurs and too many cells were broken this may alter. Please check your Junior Back cushion once a year for broken cells. You may also want to check the content if unexplained bottoming occurs after a longer time of use.*

▪ VICAIR® warranty

Limited Warranty: Every Vicair® Junior Back was carefully inspected and tested to provide optimal performance. All Vicair® Junior Back's are warranted against failures in materials and workmanship for a period of three (3) years from the date of purchase, provided normal use. Should a defect in materials or workmanship occur within three (3) years from the original date of purchase, Vicair® will at its own choice repair or replace the defective Junior Back or the separate cushion at no cost. The warranty does not apply to punctures, tears, or burns. The removable outer covers are also excluded from the warranty.

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ISO certified 9001/ EN 46001
1904-00-rev00